MD iMAP Technical Committee Meeting Minutes	
Place:	Department of the Environment (MDE): Terra Room (Baltimore, MD)
Date:	3/4/2015
Time:	1:00PM - 3:00PM
Attendees:	Jim Cannistra (MDP), Kevin Coyne (DNR), Julia Fischer(DoIT), Jeyan Jebaraj (DoIT), Mara Kaminowitz (BMC), Lisa Lowe (DoIT), Kate Majchrzak (MDE), Melissa Oguamanam (MDP), Frank Siano (MDE), Marshall Stevenson (WBCM/SHA) and Mussie Tewolde (DJS)
Phone Attendees:	Michael Blahut (SHA)

AGENDA:

- Introductions   1:00 - 1:30
  Question: Name a couple of GIS "dream" projects you have for your agency and what are some of the barriers blocking these projects from becoming a reality?

- Council on Open Data Update   1:30 – 1:45
  - SB0094 (http://mgaleg.maryland.gov/2015RS/bills/sb/sb0094F.pdf)
  - HB0353 (http://mgaleg.maryland.gov/2015RS/bills/hb/hb0353f.pdf)

- MD iMAP 2.0 Update - Matt Sokol   1:45 - 2:00

- Data & Resources Subcommittee Updates   2:00 – 2:40

  - GIS Training Contract - *Lisa Lowe & Marshall Stevenson*

  - Centerlines Update – *Erin Lesh*

  - Composite Locator Update - *Jeyan Jebaraj*

  - Imagery Update – *Jim Cannistra*

- Application Subcommittee Updates   2:40 - 2:45

  - Template Update – *MES*

  - Web App Builder Update – *MES*

- Outreach Subcommittee Updates   2:45 – 2:55

  - MD iMAP Portal Update - *Julia Fischer*

- Additional Business   2:55 – 3:00

Introductions
Round-the-room

Question: Name a couple of GIS "dream" projects you have for your agency and what are some of the barriers blocking these projects from becoming a reality?
Kate Majchrzak (MDE)
- Project to use dashboard for internal review application
- Barrier is to get head wrapped around dashboard capabilities, getting what is available to the vision
- Please contact Kate Majchrzak with any assistance you can offer

Lisa Lowe (DoIT)
- Improvements to protected lands coordination and permit review process between MDE and DNR
- Both projects biggest hurdle is dealing with complexity of project, workflows that each agency has had in place for a long time
- Mainly current workflows and how do we improve this process without making it burdensome for anybody
- Permit review project: spoken with people at MDE about coming up with one GIS application that each agency can use for reviewing permit areas, review for environmental impact, specific datasets for agency eyes only to review environmental impact
  - Dealing with current workflows that users are accustom to
- Met with NIC, that are working on some other projects, a lot of pieces out there and seeing how they all fit together, how the external application and internal review might be able to be connected
- Protected Lands project: not there yet, still talking about how to make one protected lands dataset, but still meet the needs of all the agencies involved
  - MDP wants to use parcel boundaries and DNR has survey boundaries, difference between what looks good and what is accurate

Question: Who is authoritative owner of protected lands project?
- This depends, for DNR lands it's DNR, for MALF MDP does work for MDA, also the county protected lands and NHT protected lands
- Had to reschedule a meeting for discussion of this topic
- Good to hear that it's a data project and not just an application project

Kevin Coyne (DNR)
- MES has also been working on some of the permitting project
- Watershed resources project has some potential cross over with this new project

- Met with MGS, working on project on-going, aquifer information project
  - Used for permitting, ArcMap project on local machines, can get aquifer data compiled from USGS gauging stations, talking about web enabling to allow county access
  - A lot of map services, but the functionality provides reports, some are pdfs, some other generated reports that can be manipulated that might need more programming

- Get existing data out there and access to system, the barrier is how to create functionality
- Start with getting the data out there and see information on features and for the future program complex reports
- Ability to make more efficient, weed out redundancies

- **Note**: Tom Nasuta has retired from State services as of 2/27/15

Jeyan Jebaraj (DoIT)
- Ability to distribute data in various formats, especially when it's Google-based or CADD-based
  - Currently working with KML/KMZ to see how closely we can retain symbology and attributes
  - Working ok, want to keep testing to see if the use of FME would make it work better
- Centralized MD iMAP structure with all formats covered from a single source
- FME: software translates any format to another format, good translator
  - Breaks down geographic file into micro units and then puts it back together into desired form, rather than relying on Esri translator options
  - Safe Software is the provider of FME
  - Translator alone is only few hundred dollars, add data modeling and the resource becomes more expensive

Question: How are you looking to deploy FME?
- Dream goal would be through MD iMAP, same output from single input
- Working with multiple agencies, see there is no standardization of data, production of data, level of accuracy followed, consumer would get standardized format

Mussie Tewolde (DJS)
- GIS under research and information unit, usually pull data and try to see trends within the system
- Recommend where intervention might be suggested
- Look back in time to see trends
- Database is Oracle, not a lot of experience with Oracle, looking for someone with Oracle experience or offering development training related to Oracle back end
- Using lynda.com for training
- Send Rashid Malik's email to Mussie

Frank Siano (MDE)
- MDE will initiate NHT stream layer and water stream boundary data set updates
- Take flood work from Dave Guignet, compare to specs
- Take LiDAR data, remove state watershed boundaries and state coding
- Not going to maintain two datasets moving forward
- Moving forward in the next couple of months

Question: What size watershed is being used?
- All the way, USGS has placeholders for 16 digit, will go as far as possible using the LiDAR

Melissa Oguamanam (MDP)
- Converting Flex maps to JavaScript, have same look and feel as Flex maps
- A lot of Planners want hover pop-up, rather than click pop-up, popular request
- Printing functionality on public information template
- Parcel point geocoder, based on acct id
  - Talked with Barney Krucoff this morning about making this happen
  - Embedded in apps at MDP now, but executes as geocoding service would be useful

Mara Kaminowitz (BMC)
- Dream of hiring a GIS Analyst
- Using new online system to create regional information center
  - Bring as much information together in a comprehensive way
  - Time and staffing has been the block, no time to plan it out and sell it, at what point does it become a formal responsibility

- Used to have a data download page on website, when switched website and it disappeared
  - Considering making a listing of web services available or load into open data product instead
  - This would have to be merged with a regional solution

Jim Cannistra (MDP)
- Land use/land cover updated starting this year, big project, involves outside funds or capital funds allocation
  - UMCP canopy mapping, county planimetrics might feed into this effort
  - Land cover project using high resolution imagery has been discussed
- Hope to pull these all together and comprehensively update the land use/land cover data

- Some of the legislation passed, facilitates more data sharing amongst counties with problems to use parcel boundaries and share with others
- Once legislation is passed does not mean actions automatically change

Marshall Stevenson (WBCM/SHA)
Question: Like to see SHA provide a nice grey street basemap, like open street map, Bing maps, can we make this available?
- Black and white version and color version are currently available on MD iMAP under transportation
- To be made into a basemap and more easily discoverable

- Hillshade as part of the imagery and then turn off as zoom in to not take away from imagery, provide more of a terrain look and feel

Michael Blahut (SHA)
- Dream would be to have 100% understanding of all the files SHA has, in order to provide a better product to customers

- o Files meaning: CADD files, aerial files, survey files, etc… throughout Maryland
- What is stopping this? – department ownership
  - o Lots of SHA departments get their data and do not wish to share it and do not make known to other SHA departments that their data is available
  - o Spend a great deal of time recreating data

- Big push at SHA right now, identifying authoritative data owners, holding them accountable for updates, notifications, not just one data owner for one data layer, some owners to different attributes of the same data layer
- Bridges, traffic count information, some examples that are out there, but not as readily available
- Points of interest: meeting with them next week to determine what should be in the layer, no consistent flow of information to say what is authoritative and official, using other agencies' layers to supplement and not recreate
  - o Streamline this entire process
- Group to take up the torch of sharing data and try to break down some of the still existing barriers
- Find the information is out there, educate the data owners of how putting non-spatial data with spatial data can add value and context
- Definitely a challenge, will take a lot of pressure from the top
- Getting a hold of the data and showing what can be done with it
- Do we get higher ups to help pass along the message that this is the new way of doing business?
- Concerns still exist about the misuse of data that is released, concerns about legal ramifications
  - o Will always be an issue, this is what metadata is used to help protect
- Pending legal battles which keep data from being released, protection of environment is another

Julia Fischer (DoIT)
- Working to get school-related data prepared and shared
  - o Move to make private schools, school districts data available
- Foster excitement of GIS capabilities within MSDE

Council on Open Data Update
- Meeting rescheduled

SB0094 Update
- Senator Ferguson decided not to accept MACo's amendment changes
  - o DoIT, MDP were in agreement with this decision

HB0353 Update
- It will be up to the sponsoring representative to accept the amendment
- If it is accepted, both bills will have to come to a compromise before it can be passed
- Some numbers have been added to the amendment draft

- Bill, as written, allows for charging for products, time and hardware or customized services (time, materials and everything), the amendment puts a cap on the amount that can be charged for different actions
- Time, product and materials, but not overhead cost of the system - 5 mins of ArcGIS processing time could not be added to cover the cost of the license usage
- New bill can charge $100 for overhead costs (rent, salary, cost of the original data creation)
- Not good to set prices for a law that could be in the records for a long period of time
- Need to go through the amendment in detail, the feeling is not to support any amendments
- SB0094 passed through unopposed
- Thought we had compelling testimony from Delegate Cullison, this is the first in a series related to open data in the coming years
- Hope that she does the same as Senator Ferguson and takes the bill to the committee and House without amendments
- Barney Krucoff/DoIT, MDP and any other agency can weigh in with an opinion, but ultimately up to the Delegate to decide how to proceed

MD iMAP 2.0 Update - *Matt Sokol*
- ArcGIS Pro Download Available
- ArcGIS Desktop 10.3 Download Available
- ArcGIS Pro Sign-Up Form Available
- Will have access to beta for ArcGIS Server 10.3.1 next week or two, will be testing
- Imagery extraction app rollout pushed to March due to issue with support from DoIT Server Team
- In process of looking at solutions to combine http://data.maryland.gov and http://data.imap.maryland.gov portal search capabilities
  - Ultimately redesign http://data.maryland.gov portal with non-spatial data and spatial data resources under a common umbrella

- SHA now using MD iMAP SDE setup for data exchange
  - Encourage other agencies to use this method
- Working on renaming AGOL basemaps to help sorting (i.e. - Bing - Roads, Esri - Roads)
  - Testing to make sure the change will not negatively affect existing users

- Two bugs affecting consumption of raster services in ArcMap
  - *Issue #1*: User with ArcGIS Desktop 10.0 and 10.1 cannot bring in service containing mosaic dataset from MD iMAP
    - *Cause*: Known Esri bug (NIM103114) related to publishing a mosaic dataset from ArcGIS Server 10.2.2
    - http://support.esri.com/en/bugs/nimbus/Tk1NMTAzMTE0
    - *Workaround*: GIO has been publishing services through raster catalogs, where possible
    - *Fixed At*: ArcGIS Server 10.3
  - *Issue #2*: User with ArcGIS Desktop 10.1 cannot bring in service containing raster catalog from MD iMAP

- - *Cause*: Known Esri bug (NIM102800) related to publishing a raster catalog from ArcGIS Server 10.2.2
    - http://support.esri.com/en/bugs/nimbus/Tk1NMTAyODAw
    - *Workaround*: Upgrade to a later version of ArcGIS Desktop
    - *Fixed At*: No current release to be fixed at

- New imagery coming soon
  - MDP to provide 2014 Western Shore imminently
- 2011/2013 cached map service will move to imagery.geodata.md.gov
  - Existing image service will be updated with 2013/2014 data
  - Map cache will be built for 2013/2014 imagery

Data & Resources Subcommittee Updates
- Scheduled to have a join meeting with MSGIC subcommittee tomorrow, might get rescheduled
- Open meeting is being scheduled for during the day at TUgis
  - Working on getting a room, during lunch (1PM), work to include in the schedule

GIS Training Contract – *Lisa Lowe & Marshall Stevenson*
- Start ramping up curriculum development soon
- Talking about ways to reach out to state employees, specifically the non-GIS group to make them aware of classes
- Work on interest list, courses employees would be interested in, likely to be done through the "HUB"
- Looking for training facilities, identified a few potential facilities, if any agency has a computer training lab that could be used, let Lisa know
- Keep the training as close to possible to the trainees (Frostburg, Salisbury, TU and other agencies)
- Potentially counties that would be willing to offer facilities, work out something with them
- Focusing on bringing the training to where the individual reside, tailor the training based on interest, grouping people together to get the focused training that they need (environmental focus at DNR or MDE, transportation focus at SHA)
- No budget for facility rental, need to have free locations

- MDOT requested training last week, going to meet with few people in charge of training room, computers might be out-of-date, hardware requirements have been sent to MDOT
- Jeyan Jebaraj to get first-hand look at facility next week and determine status of facility and equipment
- Trying to figure out specific needs of MDOT, based on existing training that is available through MDOT
- Challenge of non-GIS people is they have non-GIS capable PCs, will need to overcome this challenge
- Web-based resources are more feasible for many of these users, because of the existing computer specs

Centerlines Update – *Marshall Stevenson*
- Snap-to Points application update, all of the data is in MD iMAP and external application talking to data, still have to get the front end of the application developed and conduct some testing
- Almost ready to go

Composite Locator Update – *Jeyan Jebaraj*
- Not many updates
- Almost that time of year to request next round of updates
- Starting to get in touch with each person that Russ used to communicate with
- Get with some of the county folks
- Still trying to trace Russ's steps
- Few of the scripts are being worked on to work with data submissions
  - Specifically from MDP the recent past

- Trying to get a more integrated process to update property points, raster tax maps, parcel boundaries and composite locator components
- Updates on a quarterly basis, updated points for inclusion in the composite locator
- Good basis for the geocoding service for account IDs

Imagery Update – *Jim Cannistra*
- Everything pretty much done
- Everything has been delivered to the counties
- A lot of the counties will be distributing to the municipalities
- Have drive with all of the data but tiffs and is copy drive
- Next day or so, everything but the tiffs to go to Matt Sokol for MD iMAP this week
- Anyone else who requests that imagery can request from MDP, counties or MD iMAP
- Provide a drive, size 1TB minimum, 500GB would probably do it
- Not planning on distributing the tiffs, because of size
- Standard Delivery Options: SIDS, TIFFS, Seamlines, DEM, boundaries, metadata

- Eastern shore 2016 is the next anticipated fly
- Close out meeting scheduled for end of march for comments to providers
- New imagery should be on MD iMAP by end of March

- Existing contract vehicle in place until 2017 or 2018
- Eastern shore next spring, western short in 2017, might re-evaluate reissuing RFP
- Technology is changing enough that we should reissue an RFP every couple of years

Application Subcommittee Updates
Template Update - *Jessie Cahoon*
MD iMAP Template
- Use custom pop-ups, has some code with some custom code, not sure where to put in template code

MD iMAP Template Modifications Contract in absence of Jessie Cahoon

Question: What is the exact scope of the contract? Can we get assistance with the public information template (reference Melissa O)

- Existing issues on many templates for printing
- MD iMAP template has had issues with the proxy and the geocoding services on the same server, what is the status of this issue?

Question: printing from template to PDF has come out as grainy, pixelated

- Kate Majchrzak and Jeyan Jebaraj to connect offline concerning this issue

Web App Builder Update - *Jessie Cahoon*
No Updates

Outreach Subcommittee Updates
MD iMAP Portal Update - *Julia Fischer*

- Significant changes have been made to the following pages:
  - http://imap.maryland.gov/Pages/gio-organizational-chart.aspx
  - http://imap.maryland.gov/Pages/composite-locator-code.aspx
  - http://imap.maryland.gov/Pages/licensing-server.aspx
  - http://imap.maryland.gov/Pages/All-FAQS.aspx?section=licensing
  - http://imap.maryland.gov/Pages/data-download.aspx
  - http://imap.maryland.gov/Pages/lidar-topography-viewer.aspx
  - http://imap.maryland.gov/Pages/contact-us.aspx
  - http://imap.maryland.gov/Pages/training-videos.aspx
  - http://imap.maryland.gov/Pages/business.aspx
  - http://imap.maryland.gov/Pages/dashboard-gallery.aspx
  - http://imap.maryland.gov/Pages/map-gallery.aspx
  - http://imap.maryland.gov/Pages/data.aspx
  - And more…

Additional Business
No Additional Business